

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	114	("20010002280" "20010009695" "20010024387" "20020001971" "20020024080" "20020025628" "20020086555" "20020089023" "20020111001" "20020122885" "20020122885" "20020130338" "20020155688" "20020155688" "20020155689" "20020155689" "20020177282" "20020192974" "20020192975" "20020192979" "20030003635" "20030003702" "20030017717" "20030017717" "20030032270" "20030043637" "20030045060" "20030045078" "20030045082" "20030048666" "20030049942" "20030104666" "20030119246" "20030119291" "20030124794" "20030132491" "20030157764" "20030181039" "20030193061" "20030207032" "20030207540" "20030207593" "20030222300" "20030227033" "20030228747" "20030232511" "20040023461" "20040028811" "20040033681" "20040038554" "20040043541" "20040043569" "20040110348" "20040110391" "20040144980" "20040159863" "20040164357" "20040175882" "20040183108" "20040185654" "20040214399" "20040222476" "20040262700" "20050009370" "20050020017" "20050023574" "20050023594" "20050023595" "20050023602" "20050023603" "20050023624" "20050023625" "20050023626" "20050023627" "20050026349" "20050026374" "20050029547" "20050029604" "20050029605" "20050030825" "20050032292" "20050032342" "20050037563" "20050054165" "20050077519" "20050124174" "20050138262" "20050145957" "20050145959" "20050158973" "20050164521" "20050227442" "20050280067" "20060000412" "200600001151" "20060003517" "20060023513" "20060028867" "20060028869" "20060043492" "20060043504" "20060046505" "20060046522" "20060125030" "20060148180" "20060176645" "20060183272" "20060189154" "20060223337" "20060228868" "20060237764" "20060244082" "20060244100" "20060246741" "20060252211" "20060255470" "20060261397" "20060264064" "20060270147" "20060281330").PN.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/19 16:59

## EAST Search History

L2	268	("4215156" "4333808" "4394673" "4399424" "4413022" "4647947" "4920071" "5055319" "5562952" "5595606" "5646583" "5674563" "5795808" "5801105" "5810923" "5822256" "5827571" "5828080" "5840897" "5879459" "5912797" "5916365" "6013553" "6020024" "6025225" "6025627" "6027961" "6057271" "6059885" "6093944" "6110529" "6115401" "6171900" "6203613" "6211035" "6225168" "6294813" "6296943" "6297539" "6300203" "6303481" "6313035" "6331465" "6365470" "6368941" "6380579" "6387712" "6391769" "6404027" "6432779" "6441417" "6444592" "6445023" "6448192" "6451641" "6451695" "6454912" "6458701" "6461436" "6461914" "6465334" "6495436" "6509280" "6514828" "6521911" "6531354" "6534420" "6537613" "6541079" "6541353" "6551893" "6559472" "6586792" "6590252" "6602338" "6608378" "6613656" "6617639" "6627503" "6632279" "6638859" "6639267" "6642573" "6645882" "6652924" "6660660" "6661058" "6673701" "6674138" "6699747" "6709989" "6713846" "6750066" "6759081" "6767795" "6770923" "6778441" "6780704" "6787370" "6787413" "6812100" "6821862" "6821873" "6831315" "6844203" "6858120" "6858444" "6884719" "6884739" "6893984" "6900122" "6914800" "6921702" "6930346" "6958302" "6979855" "7012311" "7026694" "7045430" "7049192" "7064058" "7081421" "7084078" "7101813" "7129553" "7135369" "7135421" "7160577").PN.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/19 16:59
L3	1393	substrate and (dielectric with (TiOx or TiO or titanium) and (lanthanide or Nd or neodymium or Tb or terbium or dy or dysprosium))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/19 17:08
L4	22	3 and ((dielectric with (TiOx or TiO or titanium) and (lanthanide or Nd or neodymium or Tb or terbium or dy or dysprosium)) with oxygen)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/19 17:08

## EAST Search History

L5	1260	257/310.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/19 17:17
L6	1321	257/506.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/19 17:26
L7	0	(substrate and ((dielectric adj layer) with substrate) and (dielectric with doped with (lanthanide or Nd or Tb or Dy)) and (lanthanide with oxygen)). clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/19 17:28
S1	538	substrate and (dielectric with (TiOx or TiO or titanium) and (lanthanide or Nd or neodymium or Tb or terbium or dy or dysprosium))	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/19 17:00
S2	12	S1 and (dielectric and lanthanide).ab.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/26 17:21
S3	4	("5340607"   "5585300"   "5989626"   "6025291").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/26 17:28
S4	12	("6093944").URPN.	USPAT	OR	ON	2005/04/26 17:33
S5	6	S1 and (ion with (electron adj beam adj evaporation))	USPAT	OR	ON	2005/04/29 15:19
S6	22	ion adj assisted adj electron adj beam adj evaporation	USPAT	OR	ON	2005/04/29 18:31
S7	11	S6 and semiconductor	USPAT	OR	ON	2005/04/29 16:49
S8	7	S7 and dielectric	USPAT	OR	ON	2005/04/29 15:20
S9	149	((ion adj assisted) with deposition) and dielectric and semiconductor	USPAT	OR	ON	2005/04/29 16:00
S10	69	S9 and (e-beam or (electron adj beam))	USPAT	OR	ON	2005/04/29 15:40
S11	9	((ion adj assisted) adj deposition) with dielectric) and semiconductor	USPAT	OR	ON	2005/04/29 16:01

## EAST Search History

S12	4	("6813149").PN.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/29 16:49
S13	3	(ion adj assisted adj electron adj beam adj evaporation) with (flat\$3 or smooth\$3)	USPAT	OR	ON	2005/05/02 08:02

## EAST Search History

S14	83	("20010009695" "20020024080" "20020025628" "20020086555" "20020089023" "20020111001" "20020122885" "20020130338" "20020155688" "20020155688" "20020155689" "20020155689" "20020192974" "20020192975" "20020192979" "20030003702" "20030017717" "20030017717" "20030045060" "20030045078" "20030045082" "20030048666" "20030049942" "20030104666" "20030119246" "20030119291" "20030124794" "20030132491" "20030157764" "20030181039" "20030193061" "20030207032" "20030207540" "20030207593" "20030222300" "20030227033" "20030228747" "20030232511" "20040023461" "20040028811" "20040033681" "20040038554" "20040043541" "20040043569" "20040110348" "20040110391" "20040144980" "20040164357" "20040175882" "20040183108" "20040185654" "20040214399" "20040222476" "20040262700" "20050009370" "20050020017" "20050023594" "20050023624" "20050023625" "20050023626" "20050023627" "20050026374" "20050029547" "20050029604" "20050029605" "20050032292" "20050037563" "20050054165" "4215156" "4333808" "4394673" "4399424" "4413022" "4647947" "4920071" "5055319" "5595606" "5795808" "5801105" "5810923" "5822256" "5828080" "5840897" "5912797" "5916365" "6013553" "6020024" "6025627" "6027961" "6057271" "6059885" "6093944" "6110529" "6171900" "6203613" "6211035" "6225168" "6294813" "6297539" "6300203" "6303481" "6313035" "6331465" "6368941" "6380579" "6387712" "6391769" "6432779" "6445023" "6448192" "6451641" "6451695" "6458701" "6461436" "6461914" "6465334" "6495436" "6514828" "6521911" "6531354" "6534420" "6537613" "6541353" "6551893" "6559472" "6586792" "6602338" "6608378" "6613656" "6627503" "6632279" "6638859" "6639267" "6645882" "6652924" "6660660" "6661058" "6673701" "6674138" "6699747" "6709989" "6713846" "6750066" "6767795" "6780704" "6787413" "6812100" "6821862" "6821873" "6831315" "6844203").PN.	USPAT	OR	ON	2005/05/02 08:10
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## EAST Search History

S15	2	S14 and (substrate and dielectric and lanthanide).clm.	USPAT	OR	ON	2005/05/02 08:10
S16	9	S14 and (substrate and dielectric and lanthanide)	USPAT	OR	ON	2005/05/02 08:09

## EAST Search History

S17	148	("20010009695" "20020024080" "20020025628" "20020086555" "20020089023" "20020111001" "20020122885" "20020130338" "20020155688" "20020155688" "20020155689" "2002015568" "20020192974" "20020192975" "20020192979" "20030003702" "20030017717" "20030017717" "20030045060" "20030045078" "20030045082" "20030048666" "20030049942" "20030104666" "20030119246" "20030119291" "20030124794" "20030132491" "20030157764" "20030181039" "20030193061" "20030207032" "20030207540" "20030207593" "20030222300" "20030227033" "20030228747" "20030232511" "20040023461" "20040028811" "20040033681" "20040038554" "20040043541" "20040043569" "20040110348" "20040110391" "20040144980" "20040164357" "20040175882" "20040183108" "20040185654" "20040214399" "20040222476" "20040262700" "20050009370" "20050020017" "20050023594" "20050023624" "20050023625" "20050023626" "20050023627" "20050026374" "20050029547" "20050029604" "20050029605" "20050032292" "20050037563" "20050054165" "4215156" "4333808" "4394673" "4399424" "4413022" "4647947" "4920071" "5055319" "5595606" "5795808" "5801105" "5810923" "5822256" "5828080" "5840897" "5912797" "5916365" "6013553" "6020024" "6025627" "6027961" "6057271" "6059885" "6093944" "6110529" "6171900" "6203613" "6211035" "6225168" "6294813" "6297539" "6300203" "6303481" "6313035" "6331465" "6368941" "6380579" "6387712" "6391769" "6432779" "6445023" "6448192" "6451641" "6451695" "6458701" "6461436" "6461914" "6465334" "6495436" "6514828" "6521911" "6531354" "6534420" "6537613" "6541353" "6551893" "6559472" "6586792" "6602338" "6608378" "6613656" "6627503" "6632279" "6638859" "6639267" "6645882" "6652924" "6660660" "6661058" "6673701" "6674138" "6699747" "6709989" "6713846" "6750066" "6767795" "6780704" "6787413" "6812100" "6821862" "6821873" "6831315" "6844203").PN.	US-PGPUB; USPAT	OR	ON	2005/05/02 10:07
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## EAST Search History

S18	2	S17 and (substrate and dielectric and lanthanide).clm.	USPAT	OR	ON	2005/05/02 08:10
S19	11	S17 and (substrate and dielectric and lanthanide).clm.	US-PGPUB; USPAT	OR	ON	2005/05/02 08:35
S20	1	S17 and "5912797"	US-PGPUB; USPAT	OR	ON	2005/05/02 08:36



## EAST Search History

S21	148	("20010009695" "20020024080" "20020025628" "20020086555" "20020089023" "20020111001" "20020122885" "20020130338" "20020155688" "20020155688" "20020155689" "20020155689" "20020192974" "20020192975" "20020192979" "20030003702" "20030017717" "20030017717" "20030045060" "20030045078" "20030045082" "20030048666" "20030049942" "20030104666" "20030119246" "20030119291" "20030124794" "20030132491" "20030157764" "20030181039" "20030193061" "20030207032" "20030207540" "20030207593" "20030222300" "20030227033" "20030228747" "20030232511" "20040023461" "20040028811" "20040033681" "20040038554" "20040043541" "20040043569" "20040110348" "20040110391" "20040144980" "20040164357" "20040175882" "20040183108" "20040185654" "20040214399" "20040222476" "20040262700" "20050009370" "20050020017" "20050023594" "20050023624" "20050023625" "20050023626" "20050023627" "20050026374" "20050029547" "20050029604" "20050029605" "20050032292" "20050037563" "20050054165" "4215156" "4333808" "4394673" "4399424" "4413022" "4647947" "4920071" "5055319" "5595606" "5795808" "5801105" "5810923" "5822256" "5828080" "5840897" "5912797" "5916365" "6013553" "6020024" "6025627" "6027961" "6057271" "6059885" "6093944" "6110529" "6171900" "6203613" "6211035" "6225168" "6294813" "6297539" "6300203" "6303481" "6313035" "6331465" "6368941" "6380579" "6387712" "6391769" "6432779" "6445023" "6448192" "6451641" "6451695" "6458701" "6461436" "6461914" "6465334" "6495436" "6514828" "6521911" "6531354" "6534420" "6537613" "6541353" "6551893" "6559472" "6586792" "6602338" "6608378" "6613656" "6627503" "6632279" "6638859" "6639267" "6645882" "6652924" "6660660" "6661058" "6673701" "6674138" "6699747" "6709989" "6713846" "6750066" "6767795" "6780704" "6787413" "6812100" "6821862" "6821873" "6831315" "6844203").PN.	US-PGPUB; USPAT	OR	ON	2005/05/02 10:08
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## EAST Search History

S22	102	S21 and (gate with dielectric)	US-PGPUB; USPAT	OR	ON	2005/05/02 10:08
S23	75	S22 and ((gate with dielectric) with thickness)	US-PGPUB; USPAT	OR	ON	2005/05/02 10:09
S24	24	S22 and ((gate with dielectric) with thickness)	USPAT	OR	ON	2005/05/02 10:11
S25	12	S24 and angstrom	USPAT	OR	ON	2005/05/02 10:11
S26	791	257/310.ccls.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/19 17:10
S27	989	257/506.ccls.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/10 16:27
S28	27	(ion adj assisted adj electron adj beam adj evaporation)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/21 05:49
S29	4	S28 and lanthanide	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/21 05:47
S30	49	(ion adj assisted adj electron adj beam adj evaporation)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/21 05:49
S31	38	S30 and oxide	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/21 05:50
S32	9	S31 and lanthanide	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/21 05:49